

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A receptor chip, on which a recombinantly expressed biotinylated receptor protein is immobilized via a factor capable of specifically binding to biotin, wherein the biotinylation of the receptor protein has been carried out within a bacterial host, and wherein the receptor protein has the ability of being specifically bound by a ligand of the receptor protein.

2. - 14. Cancelled.

15. (Original) A receptor chip according to claim 1, wherein the receptor is selected from the group consisting of scavenger receptors, receptors of the insulin receptor family, receptors of the EGF receptor family, receptors of the PDGF receptor family, receptors of the VEGF receptor family, receptors of the FGF receptor family, growth factor receptors of the NGF receptor family, TGF- β super family receptors, Toll-like receptor family, LDL receptor related protein family, and receptors of the G protein coupled receptor family.

16. (Original) A receptor chip according to claim 15, wherein the receptor is a scavenger receptor LOX-1.

17. (Original) A receptor chip according to claim 1, adapted for detection using surface plasmon resonance, quartz-crystal microbalance, or mass spectrometer.

18. - 39. Cancelled.

40. (New) A receptor chip, on which a recombinantly expressed biotinylated fusion protein is immobilized via a factor capable of specifically binding to biotin, wherein the fusion protein comprises a receptor protein and a polypeptide comprising a biotinylation sequence motif, wherein the biotinylation of the fusion protein has been carried out within a bacterial host.

41. (New) A receptor chip according to claim 40, wherein the receptor is selected from the group consisting of scavenger receptors, receptors of the insulin receptor family, receptors of the EGF receptor family, receptors of the PDGF receptor family, receptors of the VEGF receptor family, receptors of the FGF receptor family, growth factor receptors of the NGF receptor family, TGF- β super family receptors, Toll-like receptor family, LDL receptor related protein family, and receptors of the G protein coupled receptor family.

42. (New) A receptor chip according to claim 41, wherein the receptor is a scavenger receptor LOX-1.

43. (New) A receptor chip according to claim 40, adapted for detection using surface plasmon resonance, quartz-crystal microbalance, or mass spectrometer.